

AMENDMENTS TO THE ABSTRACT:

Please substitute the following Abstract of the Disclosure section for the paragraph starting at page 30, line 2 and ending at page 30, line 15.

An electromagnetic actuator includes comprising a stationary member, a movable member magnetically coupled with the stationary member with a gap therebetween, and a support member for displaceably supporting the movable member relative to the stationary member. Both the stationary member and the movable member have a core section carrying a coil wound around its periphery. As the coil of the stationary member and that of the movable member are energized with electric current, the movable member is either attracted toward or repulsed from the stationary member. The electromagnetic actuator can be used for an optical scanner by providing a mirror and or a lens on the movable member.